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System and Method for Securing Data
on Private Networks

ABSTRACT

    A system and method for protecting data transmitted

5 across a private network is disclosed. A secure channel is

established so that the client computer can securely

transmit a password to the server computer. Once the

password has been transmitted, future transmissions use the

password to encrypt data by the sending computer and

10 decipher the data at the receiving computer. In one

embodiment, passwords expire after a certain amount of time

and are thereafter renegotiated. In another embodiment,

the password is successively modified by a counter value

further preventing unauthorized persons from discovering

15 the password used to encrypt the data. By using passwords

rather than public-key encryption methods, less system

resources are required to maintain data confidentiality.

An information handling system securely transmitting data

within a private network as well as a computer program

20 product programmed to perform the encryption processing are

further disclosed.